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PATENT APPLICATION  
DOCKET NO.: 32767-00039

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Mark R. Randel

Serial No.: 10/010,776

Filed: December 6, 2001

For: LIGHTING AND SHADOWING METHODS AND ARRANGEMENTS FOR USE IN  
COMPUTER GRAPHIC SIMULATIONS

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Group No.: 2671

Examiner: Not Assigned

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MAR 01 2002

Technology Center 2600

Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service as first class mail on the date indicated below and is addressed to: Commissioner for Patents, Washington, D.C. 20231

Date: January 23, 2002

Signature Marcy Overstreet

PRELIMINARY AMENDMENT TRANSMITTAL LETTER

Dear Sir:

This is a Preliminary Amendment in the above-identified application and includes the transmitted herewith attachments of the same date and subject which are incorporated hereunto by reference. The signature below is to be treated as the signature to the attachments in absence of a signature thereto.

Transmitted herewith in the above-identified application are:

- 1) Preliminary Amendment;
- 2) Clean Version of Claims after Preliminary Amendment;
- 3) Check in the amount of \$186.00 for additional claims; and
- 4) Postcard Acknowledgment.

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- ☐ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
- ☐ A verified statement claiming small entity status under 37 CFR 1.9 and 1.27 is enclosed.
- ☐ No additional fee is required.
- ☒ The Fee for entering the attached Amendment is calculated below:

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST # PREVIOUSLY PAID FOR	=	PRESENT EXTRA		SMALL ENTITY RATE	=	OR		LARGE ENTITY RATE	=	
TOTAL CLAIMS	36	-	20 (at least 20)	=	-16- (at least 0)		x9	=	OR		x18	=	\$144.00
INDEP. CLAIMS	4	-	3 (at least 3)	=	-1- (at least 0)		x42	=	OR		x84	=	\$ 42.00
FIRST PRESENTATION OF PROPER MULTIPLE DEPENDENT CLAIMS (leave blank if this is a <u>reissue</u> appln)							+140	=	OR		+280	=	\$ _____

**FEE FOR CLAIM AMENDMENTS** \$186.00

☐ IDS ATTACHED REQUIRES OFFICIAL FEE - ADD \$210 (RULE 1.97(c)) OR \$130 (RULE 1.97(d) PETITION) \$ \_\_\_\_\_

☐ Assignment Recordation Fee (\$40) \$ \_\_\_\_\_

☐ IF TERMINAL DISCLAIMER attached add Rule 20(d) Official Fee \$ \_\_\_\_\_

	\$55 (Small Entity)	\$110 (Large Entity)
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☐ **Petition is hereby made** under 37 CFR 1.136(a) to extend the original due date to cover the date this response is filed for which the requisite fee is attached:

	Small Entity	Large Entity
One Month	_____ \$ 55	_____ \$110
Two Months	_____ \$200	_____ \$400
Three Months	_____ \$460	_____ \$920
Four Months	_____ \$720	_____ \$1440

ADDITIONAL FEE FOR EXTENDED RESPONSE \$ -0-

Applicant has not been notified that the requested extension will not be permitted. The present application is not involved in an interference declared pursuant to 37 CFR 1.611.

**TOTAL FEES** \$186.00

- ☒ A check in the amount of \$186.00 to cover the TOTAL FEE is attached. Please charge any deficiency or credit any overpayment to Deposit Account No. 10-0447.

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\_\_\_\_ Please charge my Deposit Account No. 10-0447 in the amount of \$\_\_\_\_ to cover the TOTAL FEE. This sheet is attached in duplicate.

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and may be required under 37 CFR 1.16-1.18 (missing or insufficiencies only) now or hereafter relative to this application and for the resulting Official Document under 37 CFR 1.20, OR credit any overpayment to our Deposit Account No. 10-0447, for which purpose a duplicate copy of this sheet is attached.

**This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.**

Respectfully submitted,

JENKENS & GILCHRIST, P.C.

By:

  
Brian D. Walker  
Registration No. 37,751

Date: January 23, 2002

JENKENS & GILCHRIST, P.C.  
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Filed: December 6, 2001 ) Group Art Unit: 2671

For: LIGHTING AND SHADOWING METHODS AND ARRANGEMENTS FOR USE IN  
COMPUTER GRAPHIC SIMULATIONS

Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited postage paid with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231	
on: January 23, 2002	
Signature	<i>Marcy Overstreet</i> Marcy Overstreet

Dear Sir:

**PRELIMINARY AMENDMENT**

Prior to a first Office Action in the above-identified application, kindly amend the claims as follows.

**IN THE CLAIMS**

- 1 1. (Amended) A shadow rendering method [for use in a computer system], the method
- 2 comprising the steps of:
- 3 providing observer data of a simulated multi-dimensional scene;
- 4 providing lighting data associated with a plurality of simulated light sources arranged to
- 5 illuminate said scene, said lighting data including light image data;

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02 FC:203

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